Claims

1. An automated autonomously climbing undercarriage (1) with venturi vacuum suction units (2) powered by excess compressed-air reserves (6), comprising

a multicopter (3)

with two, three or more rotors (11) or propellers (11)

attached to the autonomously climbing undercarriage (1),

wherein said multicopter (3) executes flight to a surface (10) and said autonomously climbing undercarriage (1) then executes movement along the surface (10), and

wherein the autonomously climbing undercarriage (1) and the multicopter (3) can be moved relative to one another via at least one ball joint (9).

2. The autonomously climbing undercarriage according to claim 1, characterized in that
the autonomously climbing undercarriage (1) is attached to the multicopter (3) via at least one support arm (12) extending from the multicopter and the ball joint (9) on the autonomously climbing undercarriage.

3. The autonomously climbing undercarriage according to claim 1, characterized in that
a cleaning unit, a tool holder, and/or resources for acoustic and/or visual monitoring (5) exist on the autonomously climbing undercarriage (1).

4. The autonomously climbing undercarriage according to claim 1, characterized in that
at least one storage tank (6) for water, cleaning agents and/or compressed air is arranged on the multicopter (3) and/or the autonomously climbing undercarriage (1).

5. The autonomously climbing undercarriage according to claim 1, characterized in that
the multicopter (3) and/or the autonomously climbing undercarriage (1) have at least one integral and/or one removable energy supply unit.

6. The autonomously climbing undercarriage according to claim 1 in combination with at least one docking station, characterized in that
interfaces (20) to charge up the energy supply unit, to exchange the energy supply unit, to provide compressed air, to provide water, to provide cleaning agents and/or to effect a tool change are available at the docking station (7).

7. The autonomously climbing undercarriage according to claim 1, characterized in that
the multicopter (3) and/or the autonomously climbing undercarriage (1) have photovoltaic modules (8).

8. The autonomously climbing undercarriage according to claim 1, characterized in that
the multicopter (3) has resources for acoustic and/or visual monitoring.